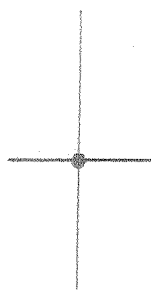


LATITUDE

39°02'30"



7 1/2
 0.605
 1.260

81°07'30"

LONGITUDE

7'5 OGIS topo location

7.5' loc _____ 15' loc _____
 _____ (calc.) _____

Company _____

Farm _____

Quad Macfarlan

County _____

District Shepherd

WELL LOCATION MAP

File No. 013-210

*Cal
210*

Sheridan District, Calhoun County, W. Va.
 Richter Oil Co., Brohard, W. Va. (W.S.Kinney, Supt.)
 On 44 acres, on Three Mile Run; surface owned by Z. O. Cooper,
 Elizabeth, W. Va., and mineral rights by Z. O. Cooper (1/2),
 Elizabeth, W. Va., and W. M. Cooper (1/2), Vienna, W. Va.
 Drilled under permit Cal-210, issued June 21, 1934.
 Elevation, 1030.5' L.
 13" conductor, 13'; 10" casing, 415'; 8", 1105'; 6", 1647'.
 2" tubing, 1878' (perforated at 1838')
 No coal was encountered.
 Completion reported to Dept. of Mines Sept. 29, 1934, & Oct. 1, 1934.
 Well was shot at 1838-1865'.
 Salt water at 1876'.
 Producing well.

	Top.	Bottom.
Little red, rock	790	- 815
Big red, rock	805	- 865
Long streak, gray, sand (gas, 1435-1450')	1372	--1450
Slate		
Gas Sand, gray (gas)	1639	- 1753 (105' th.?)
Slate		
Salt Sand, gray (oil and gas, 1838-1844' and 1857-1865'), to bottom	1783	- 1878

WEST VIRGINIA DEPARTMENT OF MINES

OIL AND GAS DIVISION

PRELIMINARY DATA SHEET NO. 1

File No. CAL-210

Well No. 5

Richter Oil Company Company of Brohard, W. Va.

on the Z. O. Cooper Farm

containing 44 acres. Location Three Mile Run

Sheridan District, in Calhoun County, West Virginia

The surface of the above tract is owned in fee by Z. O. Cooper

of Elizabeth, W. Va. address, and the mineral rights are owned by

1/2 Z. O. Cooper Elizabeth, W. Va.

1/2 W. M. Cooper of Vienna, W. Va.

The oil and gas privileges are held under lease by the above named company, and this well is drilled under permit

No. Cal-210 issued by the West Virginia Department of Mines, Oil and Gas Division

June 21, 1934

Elevation of surface at top of well, 1030.5 Spirit Barometric.

The number of feet of the different sized casings used in the well.

13 feet 13" size. Wood conductor.

415 feet 10" size, csg. feet sized csg.

1105 feet 8" size, csg. feet sized csg.

1647 feet 6" size, csg. feet sized csg.

packer of size, set at

packer of size, set at

, in casing perforated at feet to feet.

1878 2", in casing perforated at 1838 feet to feet.

Coal was encountered at None feet, thickness inches, and at

feet; thickness inches; and at feet; thickness inches.

Liners were used as follows: (Give details)

September 29, 1934 Date.

Approved Richter Oil Company, Owner.

By W. S. Kinney Supt.
(TITLE)

OCT 4 - 1934

CAL-210

Richter Oil Company Company

....., W. Va. Address

Well No. 5

COMPLETION DATA SHEET
No. 2
FORMATION RECORD

Name	Color	Character	Oil, Gas or Water	Top	Bottom	Thickness	Total Depth	Remarks
Little Red	Red	Rock	-----	790	815	25		
Big Red	Red	Rock	-----	805	865	60		
Long Streak Slate	Gray	Sand	----- gas	1372 1435	1450 1450	78		
Gas Sand Slate	Gray	Sand	gas	1639	1753	105		
Salt Sand	Gray	Sand	oil & Gas 1838-1844 1857-1865	1783	1878	95	1878	

shot
Well was ~~not~~ shot at 1830 to 1865 feet; well was shot at feet.

Salt
Fresh water at 1876 feet; salt
fresh water at feet.

producing
Well was hole.

October 1, 1934
Date

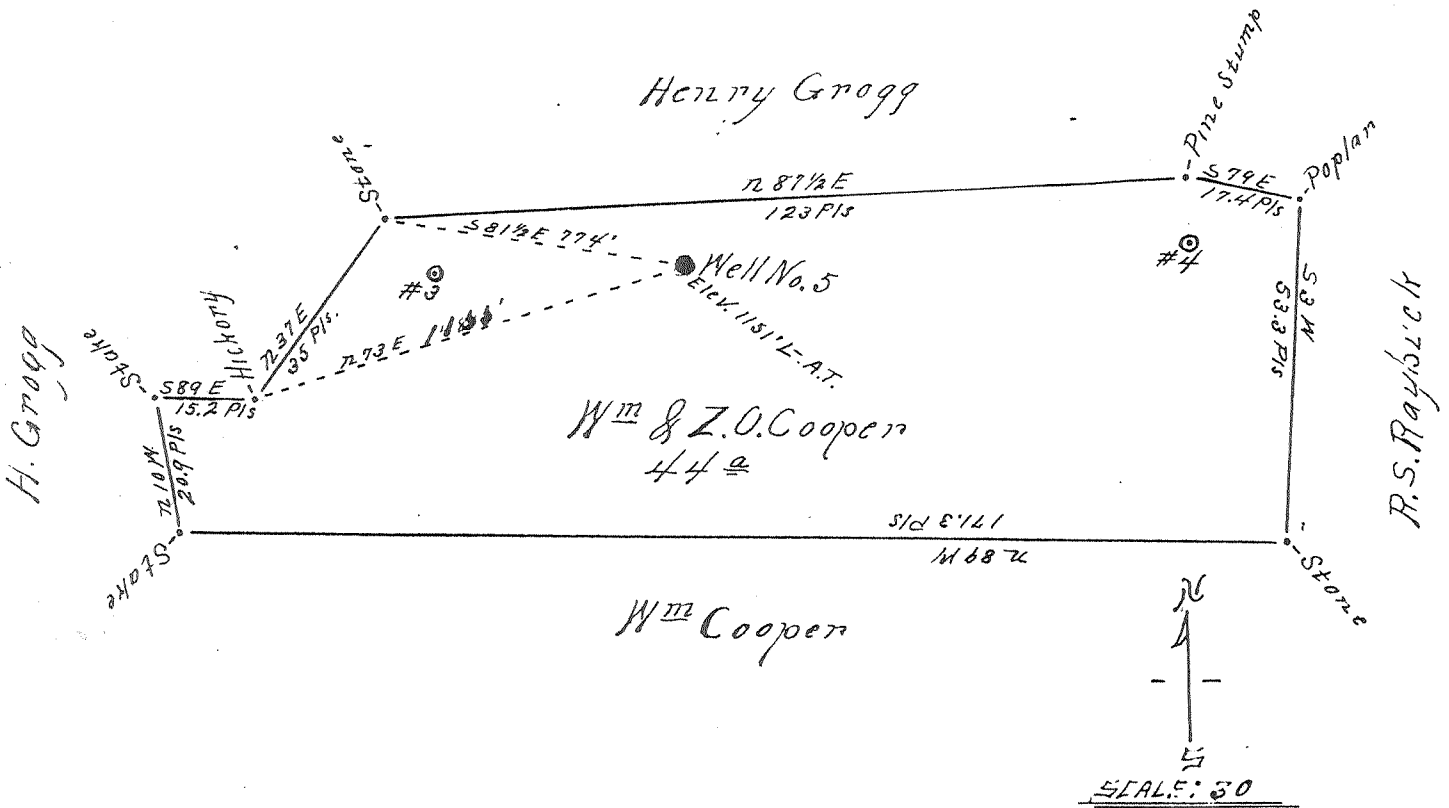
Approved Richter Oil Company
Owner

NOTE: All bottom formations must be noted as indicated above and all key-rocks and oil and gas sands must be recorded under their proper geological names in the district as well as any local names commonly used in the district for such strata.

OCT 4 - 1934

Plat of the Proposed Location of Well No. 5, of the Richter Bill Co. of Broherd, on the Wm. & Z.O. Cooper Farm, Consisting of 44 Acres, Located in Sheridan District, Calhoun County.

CAL-210



I, the undersigned, hereby certify that this Map is correct and shows all the information to the best of my knowledge and belief, required by the oil and gas section of the Mining Laws of West Virginia.

State of West Virginia, County of Calhoun, to-wit *O. F. Riddell* Engineer

Acknowledged before me a Notary Public of Calhoun County and

State of West Virginia this the 8th day of June, 1934

my Commission expires February, 10th 1935.

Howard Saunders
Notary Public.